

## **Development of NPP Personnel Training System in Ukraine**

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Modern personnel training and retraining system is a guarantee of NPPs safe reliable operation. NPPs personnel's training is conducted at Kyiv and Odessa Polytechnic universities, Sevastopol Institute of Nuclear Energy and Industry.

Since the time when independence of Ukraine was proclaimed personnel training system was created directly at NPPs. This system is based on the latest legislation framework, developed subject to IAEA recommendations, gained international experience in the field of personnel training in view of increased demands to personnel qualification.

Training Centers, formed at each plant, form one of the main components of NPP personnel training. Total number of personnel at these centers is 436 persons, including 160 instructors.

Personnel's training at Training Centers is performed in accordance with standard programs. At that, special consideration is given to maintaining qualification of the licensed personnel.

Simulator training base was created by joint efforts of specialists from the USA, Russia and Ukraine. In 1993 the first in Ukraine full scope simulator of the main control room began to work at Zaporizhzhya NPP. The simulator is designed for acquiring by personnel of skills in reactor control under normal operation, off-normal conditions and emergency situations. In 2002 the second full scope simulator was put into operation at Zaporizhzhya NPP. Now the development of the third full scope simulator is on going.

In December 1997 a similar simulator was put into operation at Khmelnytsky NPP.

In May 2001 a full scope simulator for Rivne NPP unit № 3 personnel training was put into pilot operation. In 2002 one more VVER-440 simulator for units №1&2 was put into operation at Rivne NPP.

In 2000 Zaporizhzhya NPP obtained first license to initial and continuing training for operating personnel. Now all NPPs Training Centers have obtained similar licenses.

Establishing manager training system and replacement reserves for National Nuclear Energy Generating Company "ENERGOATOM" (NNEGC "ENERGOATOM") managerial personnel, including training program and training materials development, teachers' selection and training, is under way.

NNEGC "ENERGOATOM" tries to bring its personnel skills to the internationally accepted level through creation of all conditions for NPPs personnel training and qualification upgrading, scientific technical support of nuclear installation on the basis of National Academy of Sciences, ministries and departments.